2000/04/18 : CIA-RDP81B0 Approved For Re R000100050001-7 DB 2M19Z M1 DEC 59

DIRECTOR

25X1A

DPD (1,2,3,4,5,6,7,8,9,10)

S/C (11)

PAH

TOR: 2050Z 01 DEC 59

25X1A

TELEPHONE CONVERSATION 24 NOV 59

ATTN:

## IN REPLY TO PEF:

C-130B PERFORMANCE TEST " HAS 10 HRS FLYING TO COMPLETE. TEST ACFT RECENTLY DAMAGED IN LANDING ACCIDENT AND UNDERGOING REPAIR. LEFT TO DO: RANGE MISSION. ADVISES FLYING WILL BE FINISHED IN MID DEC., ROUGH DRAFT WILL BE AVAILABLE BY END OF JAN. 60. FINISHED REPORT END MARCH. PRELIMINARY DATA CAN BE SECURED AS NEEDED.

25X1A

HELIO REPORT - ROUGH DRAFY UNDERGOING COORDINATION, EDITING AND TECHNICAL REVIEW. ESTIMATED AVAILABLE END DEC. WORKING DRAFT COPY COULD BE MADE AVAILABLE SOONER IF YOU NEED IT.

CHAIN OF COMMAND FOR SECURING TEST PILOTS AND ENGINEERS DIRECTLY TO RDY WITH REQUIREMENT.

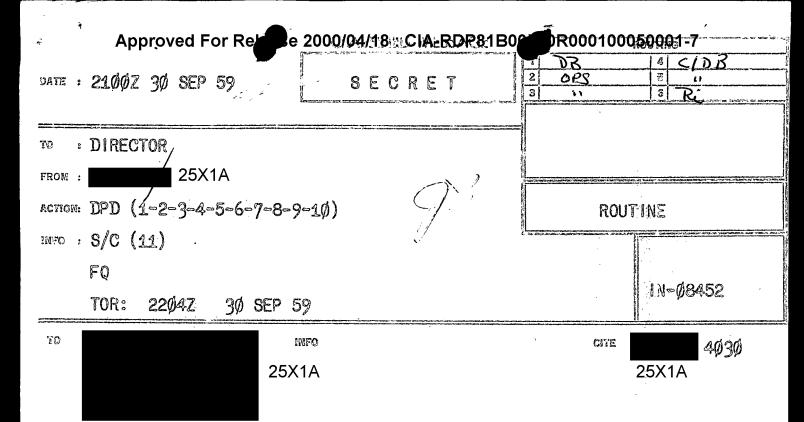
AGREED PER RECENT CONVERSATION OF

END OF MESSAGEDOCUMENT NO. 2

☐ DECLASSIFIED at ars. Changed to: 19 8

4335

Approved For Release 2000/04/18: CTA-RDP81B00886R000100050001-7



25X1A FOLLOWING IS C-130Z RANGE INFORMATION: DATA PREPARED BY

TO OBTAIN RANGE OF 3,500 NAUTICAL MILES FOR A GROSS WEIGHT OF 124,200 POUNDS AT ENGINE START WOULD REQUIRE 11,100 LBS OF ADDITIONAL FUEL (1,720 GALS AT 6.5 LBS/GAL). FUEL ALLOWANCES ARE MADE FOR START, TAXI AND ACCELERATE TO CLIMB SPEED AND 3,500 LBS OF FUEL RESERVE OVER DESTINATION. MISSION IS CONDUCTED AT CONSTANT ALTITUDE OF 28,000 FEET AT BEST CRUISE SPEEDS. PAYLOAD WOULD BE APPROXIMATELY 16,000 POUNDS.

B. TO CARRY A 20,000 LB PAYLOAD, 3,500 NAUTICAL MILES WOULD REOUIRE 12,800 LBS OF ADDITIONAL FUEL (1970 GALS AT 6.5 LB/GAL). CONSTANT CRUISE ALTITUDE WOULD BE 26,000 FEET AND ENGINE START GROSS WEIGHT 130,000 LBS.

C. GALCULATIONS DO NOT INCLUDE ANY CONSERVATISM. AN INSTALLATION WEIGHT OF 2,600 LBS FOR 2 1.000 GALLON FUEL TANKS DOCUMENT NO.

SECRET

## Approved For Relie 2000/04/18 : CIA-RDP81B0 R000100050001-7

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SECRET

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4030 (IN-08452)

PAGE TWO

(B-52 DROP TANKS) HAS BEEN ADDED TO BASIC OPERATING WEIGHT.

END OF MESSAGE

## Approved For Re Se 2000/04/18 : CIA-RDP81B0 R000100050001-

2151Z 28 SEPT 59

SECRET

7 X

DIRECTOR

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IPD (4,2,3,4,5,6,7,8,9,10)

S/C (11)

M

TOR: 2237Z 28 SEPT 59

IN 08277

25X1A

FOR

25X1A

- 1. CONFIRMING TELECON, 3500, N. MI. RANGE ON C-130A REQUIRES 5 BENEON TANKS, PART NR A-1125-500 GAL MOUNTED IN FAIRCHILD CRADLES PART NR 110-680042. OUR UNDERSTANDING THESE PARTS IN NAVY STOCK AT CHERRY POINT. TO TAL VOLUME OF TANK INSTALLATION APPROX 360 GU FT.
- 2. FULL FUEL LOAD PERMITS 14000 POUNDS CARGO TO STAY INSIDE MAX ALTERNATE GROSS WEIGHT. GARRYING 20000 POUNDS CARGO POSSIBLE AND PRACTICAL AT SLIGHTLY REDUCED LOAD FACTORS.

END) OF MESSAGE

DOCUMENT NO NO CHANGE IN CLASS.

CI DECLASSIFIED

CLASS. CHANGED TO: TS S C 201

NEXT REVIEW DATE:

AUTH: HR 70:2

DATE: DOCUMENT NO 2

REVIEWER: 010956

25X1A

TOR:

25X1A

ATTA

- 24497 23 SEPT 59

25X1A REF PHONE GALL TO LINE SEP 59.

25X1A

CONTACTED. 0-130 RANGE EXTENSION DATA
NOT AVAILABLE AND IS BEING WORKED UP BY FLIGHT TEST ENGINEERING.
CHECKED 23 SEPT 59 BUT COULD NOT GET FIRM COMPLETION DATE. IF
URGERT, PLS ADVISE AND WETLL PUSH, OTHERWISE COMPLETION SOMETIME
NEXT NEEK. AFFTO USED 8-52 DROP TANK ON THEIR TEST AND MAKE
LASHED UP INSTALLATION IN CABIN. NO REGULAR C-430 FUSELAGE TANKO
AVAILABLE. ENGINEERS ARE COMPUTING EXTENSION SASED ON VARIOUS
GASIN FUEL LOADS FOR YOU. TANK INSTALLATION WOULD BE ANOTHER
PROSLESS.

END OF WESSAGE

DOCUMENTIO.

HC GLANGELL GLABO. IN
11 DECLASSITED
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NEG REVIEW DATE:
AUTH: HR 70.2.
DATE PARTY REVIEWER: 010956

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